

**Session Program**

12-17 Jul 2026



**European Conference on Mathematical and Theoretical  
Biology (ECMTB 2026)**

***Immunobiology and Infection Subgroup Minisymposium 2026***

University of Graz

## Thursday 16 July

10:40

### Immunobiology and Infection Subgroup Minisymposium 2026

Session | Location: University of Graz, 02.21 - HS

10:40–11:00

#### Spatial Heterogeneity in Tumours: How Tumour-Immune Spatial Relationships Impact Immunotherapy Outcomes in Glioblastoma

Speakers

Blanche Mongeon, Morgan Craig

11:00–11:20

#### Modeling SARS-CoV-2 Coinfection Reveals Key Differences in Inflammatory Cytokines

Speaker

Havilah Neujahr

11:20–11:40

#### Multi-modal data integration and individual cell-based modelling to infer viral spread and innate immune dynamics in human epithelia

Speaker

Frederick Graw

11:40–12:00

#### Identifying Sex-Specific Immune during Primary Influenza Infection Using Mathematical Modeling

Speaker

Dr Jason E. Shoemaker

12:00

15:10

### Immunobiology and Infection Subgroup Minisymposium 2026

Session | Location: University of Graz, 02.21 - HS

15:10–15:30

#### Regularized estimation in high-dimensional mechanistic models: Application to vaccine development

Speaker

Lisa Crépin

15:30–15:50

#### Modeling how memory CD8 T cells may effect post-treatment control of HIV infection

Speaker

Narendra Dixit

15:50–16:10

#### Quantitative modeling of proliferation and differentiation in cell populations

Speaker

Shoya Iwanami

16:10–16:30

#### Identifying determinants of long-term viral suppression following broadly neutralizing antibody treatment against HIV-1

Speaker

Tyler Cassidy

16:30